

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 1

Application Number

Unknown 10-808,231

Filing Date

First Named Inventor

Son Van Nguyen

Group Art Unit

Unknown 2891

Examiner Name

Unknown A. Sarkar

Attorney Docket Number

AMAT/8204/DSM/LOW KJW

Submission Date

MARCH 23, 2004

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
AKS	A1	US-6,528,153 B1	03/04/2003	Benzing et al.	
	A2	US-6,495,479 B1	12/17/2002	Wu et al.	
	A3	US-6,645,878 B2	11/11/2003	Smith et al.	
	A4	US-6,437,443 B1	08/20/2002	Grill et al.	
	A5	US-6,312,793 B1	11/06/2001	Grill et al.	
	A6	US-6,147,009	11/14/2000	Grill et al.	
AKS	A7	US-5,510,645	04/23/1996	Fitch et al.	
	A8	US-2002/0180051 A1	12/05/2002	Grill et al.	
	A9	US-			
	A10	US-			
	A11	US-			
	A12	US-			
	A13	US-			
	A14	US-			
	A15	US-			
	A16	US-			
	A17	US-			
	A18	US-			

**FOREIGN PATENT DOCUMENTS**

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		Number-Kind Code <sup>2</sup> (if known)				
	B1					
	B2					
	B3					
	B4					
	B5					

Examiner

Asst. Examiner Sarkar

Date Considered

7/25/05

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PTO/SB/08a (08-03)

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Substitute for form 1448A/PTO

**SUPPLEMENTAL  
INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 3

**Complete if Known**

Application Number	10/808,231
Filing Date	MARCH 23, 2004
First Named Inventor	NGUYEN, ET AL.
Art Unit	2812
Examiner Name	UNKNOWN
Attorney Docket Number	AMAT/8204/DSM/LOW K/JW

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AKS	A1	US- 6,890,639 B2	05/10/2005	MANDAL	
	A2	US- 6,846,515 B2	01/25/2005	VRTIS, ET AL.	
	A3	US- 6,790,789 B2	09/14/2004	GRILL, ET AL.	
	A4	US- 6,770,573 B2	08/03/2004	GRILL, ET AL.	
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	A6	US- 6,737,365 B1	05/18/2004	KLOSTER, ET AL.	
	A7	US- 6,605,549 B2	08/12/2003	LEU, ET AL.	
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	A12	US- 6,541,398 B2	04/01/2003	GRILL, ET AL.	
	A13	US- 6,541,367 B1	04/01/2003	MANDAL	
	A14	US- 6,479,110 B2	11/12/2002	GRILL, ET AL.	
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	A16	US- 6,057,251	05/02/2000	GOO, ET AL.	
	A17	US- 2004/0235291 A1	11/25/2004	MANDAL	
	A18	US- 2004/0175957 A1	09/09/2004	LUKAS, ET AL.	
	A19	US- 2004/0175501 A1	09/09/2004	LUKAS, ET AL.	
AKS	A20	US- 2004/0121139 A1	06/24/2004	YIM, ET AL.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>4</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
AKS	B1	EP 1 416 501 A2	05/06/2004	YIM, ET AL.		
	B2	EP 1 354 980 A1	10/22/2003	VRTIS, ET AL.		
	B3	WO 03/088343 A1	10/23/2003	LU, ET AL.		
	B4	WO 03/088344 A1	10/23/2003	LEUNG, ET AL.		
AKS	B5	WO 01/61737 A1	08/23/2001	ROSS, ET AL.		

Examiner  
Signature

Asok Kumar Sarker

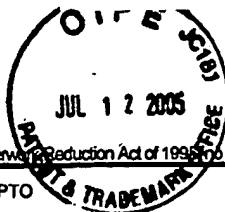
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Filing Date	MARCH 23, 2004
First Named Inventor	NGUYEN, ET AL.
Art Unit	2812
Examiner Name	UNKNOWN
Attorney Docket Number	AMAT/8204/DSM/LOW K/JW

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AKS	A21	US- 2004/0101633 A1	05/27/2004	ZHENG, ET AL.	
	A22	US- 2004/0096672 A1	05/20/2004	LUKAS, ET AL.	
	A23	US- 2004/0096593 A1	05/20/2004	LUKAS, ET AL.	
	A24	US- 2004/0078764 A1	04/22/2004	FORESTER, ET AL.	
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	A35	US- 2002/0037442 A1	03/28/2002	GRILL, ET AL.	
	A36	US- 2002/0034625 A1	03/21/2002	GRILL, ET AL.	

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Examiner  
Signature

Asok Kumar Sarker

Date  
Considered

7/25/05

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First Named Inventor	NGUYEN, ET AL.
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Examiner Name	UNKNOWN
Attorney Docket Number	AMAT/8204/DSM/LOW K/JW

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
AKS	C1	PCT International Search Report and Written Opinion for PCT/US2005/007408, dated June 6, 2005 (AMAT/8204.PCT)	
AKS	C2	KLOSTER, "Porosity Effects on Low-K Dielectric Film Strength and Interfacial Adhesion" International Interconnect Technology Conference, June 5, 2002, 17 pages.	
AKS	C3	PAUL S. HO, "Material Issues and Impact on Reliability of Cu/Low K Interconnects" AVS Chapter 10/2002, 50 pages.	

Examiner Signature	Asde Ummer Sarhar	Date Considered	7/25/05
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